



## Climate change and water. Technical paper of the Intergovernmental Panel on Climate Change.

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### Abstract:

The Intergovernmental Panel on Climate Change (IPCC) Technical Paper on Climate Change and Water is the sixth paper in the IPCC Technical Paper series and was produced in response to a proposal by the Secretariat of the World Climate Programme – Water (WCP-Water) and the International Steering Committee of the Dialogue on Water and Climate at the 19th Plenary Session of the IPCC which took place in Geneva in April 2002. A consultative meeting on Climate Change and Water was held in Geneva in November 2002 and recommended the preparation of a Technical Paper on Climate Change and Water instead of preparing a Special Report to address this subject. Such a document was to be based primarily on the findings of the Fourth Assessment Report of the IPCC, but also earlier IPCC publications. The Panel also decided that water should be treated as cross cutting theme in the Fourth Assessment Report. The Technical Paper addresses the issue of freshwater. Sea level rise is dealt with only insofar as it can lead to impacts on freshwater in coastal areas and beyond. Climate, freshwater, biophysical and socio-economic systems are interconnected in complex ways. Hence, a change in any one of these can induce a change in any other. Freshwater-related issues are critical in determining key regional and sectoral vulnerabilities. Therefore, the relationship between climate change and freshwater resources is of primary concern to human society and also has implications for all living species. -- Publisher's description.

**Source:** <http://www.ipcc.ch/pdf/technical-papers/climate-change-water-en.pdf>

### Resource Description

#### Climate Scenario :

specification of climate scenario (set of assumptions about future states related to climate)

Special Report on Emissions Scenarios (SRES), Other Climate Scenario

**Special Report on Emissions Scenarios (SRES) Scenario:** SRES A1, SRES A2, SRES B1, SRES B2

**Other Climate Scenario:** A1B

#### Communication:

resource focus on research or methods on how to communicate or frame issues on climate change;

# Climate Change and Human Health Literature Portal

surveys of attitudes, knowledge, beliefs about climate change

A focus of content

## **Communication Audience:**

audience to whom the resource is directed

Policymaker, Researcher

## **Early Warning System:**

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

## **Exposure :**

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Precipitation, Sea Level Rise

**Extreme Weather Event:** Drought

**Food/Water Quality:** Pathogen

**Food/Water Security:** Agricultural Productivity

## **Geographic Feature:**

resource focuses on specific type of geography

Freshwater, Rural

## **Geographic Location:**

resource focuses on specific location

Global or Unspecified

## **Health Co-Benefit/Co-Harm (Adaption/Mitigation):**

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

## **Health Impact:**

specification of health effect or disease related to climate change exposure

Infectious Disease, Malnutrition/Undernutrition

**Infectious Disease:** Foodborne/Waterborne Disease, Vectorborne Disease

**Foodborne/Waterborne Disease:** General Foodborne/Waterborne Disease

**Vectorborne Disease:** General Vectorborne

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## **Intervention:**

strategy to prepare for or reduce the impact of climate change on health

A focus of content

## **Mitigation/Adaptation:**

mitigation or adaptation strategy is a focus of resource

Mitigation

## **Model/Methodology:**

type of model used or methodology development is a focus of resource

Outcome Change Prediction

**Population of Concern:** A focus of content

## **Population of Concern:**

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Low Socioeconomic Status, Racial/Ethnic Subgroup

**Other Racial/Ethnic Subgroup:** Indigenous

**Other Vulnerable Population:** Female

## **Resource Type:**

format or standard characteristic of resource

Policy/Opinion

## **Resilience:**

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

## **Timescale:**

time period studied

Long-Term (>50 years)